

Title (en)

Variable cycle propulsion device for supersonic airplanes using diverted compressed air

Title (de)

Schubvorrichtung mit variablen Betriebszyklen mit aufgeteilter Verdichterluft für Überschallflugzeuge

Title (fr)

Dispositif de propulsion à cycle variable par prélèvement d'air comprimé pour avion supersonique

Publication

EP 1267062 B1 20040901 (FR)

Application

EP 02291358 A 20020604

Priority

FR 0107773 A 20010614

Abstract (en)

[origin: EP1267062A1] The variable cycle propulsion unit has a propulsor (1) with a compressor and an auxiliary propulsion assembly (12) generating a complementary thrust. The complementary unit has a propulsion relay tube (20) from the main propulsor providing additional thrust. There is a vane which closes the tube for subsonic flight.

IPC 1-7

F02K 3/02; **F02K 3/075**; **F02K 3/12**

IPC 8 full level

F02C 7/36 (2006.01); **F02C 3/14** (2006.01); **F02C 9/18** (2006.01); **F02K 3/02** (2006.01); **F02K 3/075** (2006.01); **F02K 3/12** (2006.01)

CPC (source: EP US)

F02K 3/025 (2013.01 - EP US); **F02K 3/075** (2013.01 - EP US); **F02K 3/12** (2013.01 - EP US); **Y02T 50/60** (2013.01 - EP US)

Cited by

EP1302640A3; FR3039218A1; EP2267288A3; GB2582529A; GB2582529B; US11614053B2

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DE FR GB

DOCDB simple family (publication)

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